International application No.

PCT/JP2005/001051

	ATION OF SUBJECT MATTER B23K26/38		
According to Inte	rnational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SE.			
Minimum docum	entation searched (classification system followed by cla B23K26/38	ssification symbols)	·
Jitsuyo		nt that such documents are included in the tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	e fields searched 1996-2005 1994-2005
Electronic data ba	ase consulted during the international search (name of d	ata base and, where practicable, search t	erms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
Y	JP 10-508798 A (Electro Scienting.), 02 September, 1998 (02.09.98) Claim & WO 96/02351 A1		1-27
Y	Katsumi MIDORIKAWA, "Femto-By to Kako Oyo", Dai 45 Kai Lase Kenkyukai Ronbunshu, 1998, IS page 32, lines 5 to 36	er Netsu Kako	
Y	Kiran P. Adhi, Roger L. Owings, Tarak A. Railkar, W.D. Brown, A.P. Malshe, Femtosecond ultraviolet (248 nm) excimer laser processing of Teflon (PTFE), Applied Surface Science, Vol. 218, 2003		1-27
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</li> <li>"&amp;" document member of the same patent family</li> </ul>	
Date of the actual completion of the international search 21 April, 2005 (21.04.05)		Date of mailing of the international search report 10 May, 2005 (10.05.05),	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No. Form PCT/ISA/21	0 (second sheet) (January 2004)	Telephone No.	

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Y JP 8-66788 A (Mitsubishi Electric Corp.), 12 March, 1996 (12.03.96), Claim 1, Detailed Explanation of the Invention; Par. Nos. [0001], [0046] to [0051]; Figs. 1 to 3, 13 to 14 (Family: none)	C (Continuation	DOCUMENTS CONSIDERED TO BE RELEVANT	/JP2005/001051
<pre>JP 8-66788 A (Mitsubishi Electric Corp.), 12 March, 1996 (12.03.96), Claim 1; Detailed Explanation of the Invention; Par. Nos. [0001], [0046] to [0051]; Figs. 1 to 3, 13 to 14</pre>			
		JP 8-66788 A (Mitsubishi Electric Corp.), 12 March, 1996 (12.03.96), Claim 1; Detailed Explanation of the Invention; Par. Nos. [0001], [0046] to [0051]; Figs. 1 to 3, 13 to 14	18-27

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:  because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
See extra sheet
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.



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Continuation of Box No.III of continuation of first sheet(2)

The "special technical feature" of claims 1 to 17 relates to "a stretched polytetrafluoroethylene porous article having fine pores formed therein, wherein fine pores having a pore diameter greater than the average pore diameter of said stretched polytetrafluoroethylene porous article are formed by the irradiation with a pulse laser beam having a pulse width of 10 picoseconds or less, and a fine porous structure of the wall surface of said fine pore is not broken and is substantially retained; and a method for producing the stretched polytetrafluoroethylene porous article".

The "special technical feature" of claims 18 to 27 relates to "a method of ablation machining wherein a material to be machined is supported on a support and then said material to be machined is irradiated with a pulse laser beam, which comprises using a support having a portion, with which said material to be machined does not contact, in a region corresponding to a target machining region of the material to be machined, as the support".

These inventions have no technical relationship involving one or more of the same or corresponding special technical features, and therefore, are not so linked as to form a single general inventive concept.